

**NONPROVISIONAL PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**  
**Facsimile: (703) 836-2787**

Attorney Docket No.: 111221

Date: November 28, 2001

**BOX PATENT APPLICATION**

Customer Number: 25944

**NONPROVISIONAL APPLICATION TRANSMITTED  
 RULE §1.53(b)**

Director of the U.S. Patent and Trademark Office  
 Washington, D.C. 20231



Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application  
 For (Title): ILLUMINATION OPTICAL APPARATUS AND EXPOSURE APPARATUS  
 PROVIDED WITH ILLUMINATION OPTICAL APPARATUS

By (Inventors): Osamu TANITSU, Masato SHIBUYA, Mitsunori TOYODA

- ☒ Formal drawings (Figs. 1-30B; 30 sheets) are attached.
  - ☐ Use Figure \_\_\_\_\_ for front page of Publication.
- ☐ A Declaration and Power of Attorney is filed herewith.
- ☒ This patent application is assigned to NIKON CORPORATION.
  - ☐ The executed Assignment is filed herewith.
- ☒ An Information Disclosure Statement is filed herewith.
- ☐ Entitlement to small entity status is hereby asserted.
- ☐ A Preliminary Amendment is filed herewith.
- ☐ Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_--
- ☒ Priority of foreign applications No. 2000-363225 filed November 29, 2000 in JAPAN and No. 2001-074240 filed March 15, 2001 in JAPAN are claimed (35 U.S.C. §119).
- ☐ ☒ Certified copies of the above corresponding foreign applications are filed herewith.
- ☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
- ☒ The filing fee is calculated below:

**CLAIMS IN THE APPLICATION AFTER ENTRY OF  
 ANY PRELIMINARY AMENDMENT NOTED ABOVE**

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	47 - 20	= 27
INDEP CLAIMS	5 - 3	= 2
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

\* If the difference is less than zero, enter "0".

SMALL ENTITY	
RATE	FEE
	\$ 370
x 9 =	\$
x 42 =	\$
+ 140 =	\$
TOTAL	\$

OR  
OR  
OR  
OR  
OR  
OR

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 740
x 18	\$ 486
x 84	\$ 168
+ 280	\$
TOTAL	\$ 1394

- ☒ Check No. 125345 in the amount of \$1394.00 to cover the filing fee is attached. Except as otherwise noted herein, the Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

James A. Oliff  
 Registration No. 27,075

Thomas J. Pardini  
 Registration No. 30,411

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Osamu TANITSU, Masato SHIBUYA, Mitsunori TOYODA

Application No.: New US Patent Application

Filed: November 28, 2001

Docket No.: 111221

For: ILLUMINATION OPTICAL APPARATUS AND EXPOSURE APPARATUS PROVIDED  
WITH ILLUMINATION OPTICAL APPARATUS



INFORMATION DISCLOSURE STATEMENT

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 1, 4 and 8 is discussed in the present specification.
- ☒ 3. English-language Abstracts of the non-English language references 6 and 7 are attached hereto.
- ☒ 4. English-language reference 1 corresponds to non-English language reference 8.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Thomas J. Pardini  
Registration No. 30,411

JAO:TJP/zmc  
Date: November 28, 2001

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 111221		APPLICATION NO. New US Patent Application	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Osamu TANITSU, Masato SHIBUYA, Mitsunori TOYODA		<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">           10921 U.S. PTO 09/994861         </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-left: 5px;">           11/28/01         </div> </div>	
				FILING DATE November 28, 2001			

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	09/549,720    Atty Docket: 105767	04/14/2000	Goto		
	2	3,748,019	07/24/1973	Bestenreiner et al.		
	3	6,211,944 B1	04/03/2001	Shiraishi		
	4	5,850,300	12/15/1998	Kathman et al.		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	5	EP 0 352 975 A2	01/31/1990	Europe		
	6	JP A 4-273245 w/ abstract	09/29/1992	Japan		
	7	JP A 5-326366 w/ abstract	12/10/1993	Japan		
	8	JP A 2001-174615	06/29/2001	Japan		

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

  

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	